

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: "Paul Weiss" <pweiss@compumedia.com>
Subject: [783] 40-40 Ordering Info ?
Message-ID: <m0tLuwC-0006VtC@compumedia.com>

Hello All,

I am looking for the address for the 40-40 rig. Everyone talks so good about it I must get one.....Thanx.....Paul KC7FYQ

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: Mike.Czuhajewski@bbs.abs.net (Mike Czuhajewski)
Subject: [714] 4040 notes and mods (repost)
Message-ID: <1995Dec01.083125.18263@abs.net>

Here's something I found recently on rec.radio.amateur.homebrew and the author gave me permission to repost it here. He also gave me permission to use this in the Idea Exchange in the QRP Quarterly, so I deleted a minor item for his "protection". It's a useful little tip, not about the rig itself, which he is submitting to QST for possible use in Hints & Kinks, and one of their criteria for acceptance is not being previously published elsewhere. As he told me, he'd rather see it in QST than the QRP Quarterly since Hints & Kinks gives \$20 checks! Having cashed a couple of those checks myself, I understand his position :-)

73 and Queue Our Pea DE WA8MCQ

Msg #9404 Wednesday, November 29, 1995 21:34 GMT
From: tiemann@spot.Colorado.EDU (TIEMANN BRUCE)
Subject: 40-40 mods, notes

(I know this is a bit late, but...)

I've built the 40-40 QRP 40 meter CW transeiver described in the Nov, 1994 QST, and I've made a few mods and measurements that may be of interest to readers of this group. The receive sensitivity has been increased, QSK is approached, the use of a different final amp is described, and the tuning range has been increased. Birdies present within the band serve as convenient frequency markers.

The receive sensitivity of the 40-40 as built was low: My IC-726 with a 6' whip could hear signals that the 40-40 with a full size dipole couldn't. Two mods cured this: increasing C31, and adding a preamp.

With the antenna connected directly to the RF gain pot, R3, sensitivity was

better than with the antenna at the intended place (L6/C30), indicating that loss occurred somewhere in the front end. Walking the antenna away from R3 identified C31 as the deafener. Replacing it with a 1000 pF ceramic (it was supposed to be 68 pF) made the thing hear about as well with the antenna connected to antenna port as at R3, indicating there were no more significant front-end losses. This increased coupling did not lead to significantly louder sidetone on transmit; it was still just as much too loud. Increasing the 4.7 megohm TX-audio-shunt resistor interconnecting the drain and source of FET Q1 to 22 meg fixed it.

However, it was still insensitive, so how about a preamp? W1FB's QRP notebook describes "the preamp that ICOM uses" in its HF transceivers - and sure enough it's in my IC-726 schematic. (I used MPF102s.) It's two grounded-gate JFETs on opposite sides of coupling transformers, with the drains 22 ohms from the plus rail, and the sources 22 ohms from ground, and both resistors bypassed on the transistor side by .047 uF caps, and it went between C31 and R3. It made the 40-40 *just* able to hear atmospheric noise. It's nice because it's transparent to RF when power isn't applied - you merely give it juice if you want gain. It draws 10 ma - a good candidate for a front panel switch.

I found the hang time for T-R turnaround too long. It's dictated by the 1M resistor and 0.1 uF cap at the gate of FET Q1. A 0.01 for C was fast but gave a loud pop on T-R turnaround; a 0.02 was ideal.

For the final amp I used a 2SC2075, "identical to an MRF476," in place of the called-for 2N3553. (The MRF476 is spec'd for 3 W output at 50 MHz.) With the '2075, my 40-40 maxes out at about 4.5 watts. In contrast to the text "Adjust R2 as needed for 1.5 W key-down power [...] More is *not* better - you'll coax a little more power out at the expense of efficiency!" I found increasing efficiency with greater power, up to 3W, though this probably has more to do with the transistor than with the circuit. I calculated the efficiency by measuring the supply current to the radio, and measured the RF output by.... [potential Hints & Kinks item deleted]. With 15 volts on the rail, here's what I got:

0.05 watts output 80 ma TX draw 1.2 W Input 4% eff.

0.5 W	160 ma	2.4 W	21%
1 W	215 ma	3.23 W	31%
2 W	290 ma	4.35 W	46%
3 W	365 ma	5.48 W	55%
4 W	510 ma	7.65 W	52%

So with a 2SC2075, it looks like the highest eff. is at 3W, right at the spec of an MRF476. Note also that though it drops up top, it's still more efficient at 4 W out than at 1.5 W out.

Increasing C9 above 68 pF is mentioned as how to get more than 40 kHz of

tuning range. I settled on 270 pF for C9, and a MV1162 varactor - 275 pF nominal - for a tuning range of just over 130 kHz. This much added capacitance required reducing C5-C7 to .002 each, with some small NP0 caps (68 and 12 pF in my case - YMMV) in parallel to put the bottom at 6997 kHz. This is enough spread that a ten-turn pot is called for as the freq. knob, but I'm exploring use of two single turn pots, a "coarse" and a "fine," to spare my precious ten-turn pot from permanent imprisonment.

As promised in the text, there is a HUGE birdie right at 7000 kHz - and it makes an excellent marker! The radio is usable within 2 kHz of this birdie, so it doesn't result in much loss of spectrum, and I chose the bottom of the tuning range as 6997 to be sure I could tune across it. In addition, I found two other birdies, a weak one at 7077 kHz, and a strong one at 7117 kHz, and these too were suitable markers, also being unobtrusive and stable. (I wouldn't feel so kindly toward them if there were another means for frequency calibration!)

Next I'll make some KK7B direct - conversion transceivers... I suspect they will make an interesting comparison to the 40-40, at least on RX!

Bruce Tiemann, N6URH

--

Mike Czuhajewski, user of the UniBoard System @ abs.net
E-Mail: Mike.Czuhajewski@bbs.abs.net
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: paxton@sound.net (frank paxton iii)
Subject: [780] 9600 baud packet REFLECTOR address ?
Message-ID: <199512021552.JAA06920@sound.net>

does anyone know if there is an e-mail reflector (like qrp-1) for
9600 baud packet people ? if so please share it with me... de ng0n. tnx.

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: NYOUNG@nova.wright.edu
Subject: [756] And it was, like, so easy?
Message-ID: <01HYAUUVBPCY8X12MC@nova.wright.edu>

I have decided, since my wife's voice mail answering prompt is all in upspeak?, that I will now write all my post to this list in upspeak? That way, there will be no difference between a regular, like, question? and a declarative, like, sentence? Really? So, I like sent my request for a number? and I got back a message that said? that I had no right to ask for a number because I had not subbed the list at this address? So just now I got off my butt and sent another request and while I was downstairs? I got my number?

So my number is, like, you know? like, 116? So now I can like put that like number on like my qsl card or something? And like maybe I can like use it like on a like contest or like something? And pretty soon I'll get like so totally like maxed out that I'll talk like this like all the like time?

Ayeeeeeeeeeeeeeeeeeeeeeeeeee! Damn good thing CW doesn't allow people to sound so annoying. I hate upspeak! I absolutely HATE upspeak. And now I'm so conditioned that I've started hitting the interrogoslam key instead of the period key! Argh!

And besides, a three digit number is so cool. Especially when I think of the numerology or something. One-sixteen. One one six. Bir bir alta. Ciento diez-y-seis. Einn hundred seksten. Yu"z on alta. Yeah. I like the sound of that. "Thank you Masked Man. Let me hear it again..."

73 from 116. Like fer sure.
Nils
WB8IJN &c

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: KE3FL@delphi.com
Subject: [730] Battery Ratings
Message-ID: <01HYAIWJWOR69C3B3S@delphi.com>

ALL batteries need to be de-rated when the current is drawn out faster than the rate used to rate the batteries. This is simple chemistry/physics. The battery can not deliver (transport) the charge at full rating fast enough when it is drawn out at a faster rate. How to figure it? I don't know, try it and see is the way I do it. Also, don't worry too much about the 7.5 AHr battery being rated for 8 hrs & not at 3 amps. How long do you TX for? You will find that the standard TX rating is about 20%. This means that you spend 80% of your time listening, or somply NOT TXing and using current at the

3A rate. I have used a 7.5 AHr battery with my MFJ-9040 for a full week on vacations trying to make 1 to 3 QSO's an evening, & I like a QSO that lasts a min of 30 min. I estimated I had used the battery for 2.5 to 3.5 hrs, I used that same battery for another few months before I thought it needed charging (can't tell you how often I used it in that time but it was about 2 - 3 times a week.) Also, the 9040 only uses about 1A on TX for 4-5W output. I would expect QRP kits to do as well, the 3-5 AMP range is only for the factory built FANCY high-power rigs when used in QRP mode, or are there other QRP Kits out there that simply aren't as good? (Perhaps you were after SSB QRP rigs?) Anyway, HAM radio is an experimenters paradise, the best advice you'll ever get is simply, TRY IT & SEE, then tell the rest of us about it. That's how we all learn.

good-luck & 73 de KE3FL/Phil
:)

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: markem@primenet.com (Mark Monninger)
Subject: [789] Cascade & 6M xverter
Message-ID: <199512022228.PAA02926@usr5.primenet.com>

It occurred to me the other day that it might be interesting to pair the Cascade with the Ten-Tec 6M transverter. If I remember correctly, anyway, the Ten-Tec uses a 20M IF and takes a few hundred mW for input and puts 3 or 4 W. I really don't know that much about 6M these days...my experience on 6M is with the old Heath Sixer back when it was new...but it sounds like an interesting set-up.

Any thoughts or comments from the gang?

73... Mark AA7TA

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [766] Cascade, heroics, and Miles (in a car) Per Watt
Message-ID: <v0213050eace560edf18f@[199.170.106.28]>

Folks, I wasn't directly involved with the Cascade, but I regularly talked to those who were, and I didn't need corrective lenses to see that they worked their butts off. Doug Hendricks and Dave Meacham, in particular, both deserve a cape and a big "Q" on their chest as legitimate heroes of the QRP world.

And let us not overlook, in Doug's case, what surely must be a new record in Miles (car) Per Watt, a measure of how miles he burned up between Dos Palos and Silicon Valley for every watt PEP that the Cascade puts out.

Manual, schmanual.

Wayne
N6KR

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: Jeff Gold <JMG@tntech.edu>
Subject: [716] Cascade-Manual
Message-ID: <01HYAAVMQA76HTSZVP@tntech.edu>

All,

first I want to emphasize again how much I appreciate the work that Norcal has done to promote QRP. I am one of their biggest fans. I also appreciate and admire the work Doug H. has done and think he is a fairly remarkable dude.

OK, now down to business. I had some time last night and went through ALL the errata sheets. Best I can tell is that the only real problem is that there is MUCH duplication of fixes and not all that many fixes. I believe that Doug H. got most of them in the errata he IMMEDIATELY sent to all kit buyers.

Only points of confusion I still have are:

1) P5 of manual and schematic say R2,11->errata says R2,22 *I believe the errata just has a mistake?

2) is C15 replacement suppose to be a 50WVDC or 500WVDC?

3) I remember something about replacing caps with silver mics.. which ones and is it really necessary.

Think since I opened my big mouth, I might be willing to do the following:

If those of you who have built the Cascade and have it running CORRECTLY (receive working, transmit correct power and such) would

tell me ONLY the corrections that you did (mods) that are not listed in Doug's Errata.. I can simply take the text of Doug's Errata.. which is posted as part of the large Errata and then just make the FEW additions and I believe it will end up being a simple 3 page document that might help end some confusion.

Once again I really believe that the Norcal and particularly Doug, did a great job with the kits and getting us the manual correction.. the problem appears to be just too much duplication and not enough correlation.

73,72

Jeff, AC4HF

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: genunn@mmm.com
Subject: [776] Explorer II lives!!
Message-ID: <199512021120.AA083023241@pigseye.mmm.com>

I just finished this little jewel in the 40 meter version. It took about 10 hours of build time to complete. There were a couple of minor errors in this early production kit though. A 2.7 ohm resister was missing, but a 2.7k resister was apparently included in its place. A trip to radio shack took care of that one. They don't stock it, so had to buy a 'bag-o-resisters' to get close - 2.2 ohms. The other problem was that 2 capacitors are not marked as indicated in the documentation. C22 and C39 are listed as 150pF with marking "150". There were no such critters in the parts bags, but there were 2 caps marked 151J. According to the capacitor marking guide, 151 should be the marking for a 150pF cap. My RLC bridge (picked up at the estate sale of a silent key a couple of months ago for less than what I paid for a hot dog) confirmed their values at about 150pF.

I'm sure Dick would have made good on the resistor quick, but the Sprint was coming up too fast!

Anyway, once these parts issues were worked out, the kit went together perfectly. The instructions are very straight forward. It fired right up. After a little tuning and lots of CQ'ing (not a lot of hams up at 3:00 am, except for all those 160 meter contesters :-)) the little kit earned a 589 and "nice tone" from Jeral, AB4QA in Huntsville, Alabama (I'm in Columbia, Missouri).

I built the original version of the Explorer in 30 meters last summer. It is a fine rig, but the bandwidth control and improved audio of the Explorer II is a real treat. It's amazing what \$80 bucks will buy you!

Now if I can just get my skyloop fixed, I'm gonna have a killer of a fox-hunt setup!

72,

Greg Nunn, AA0XZ qrp-1 #19
genunn@mmm.com

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: genunn@mmm.com
Subject: [791] Explorer II review
Message-ID: <199512022236.AA245903793@pigseye.mmm.com>

Oak Hills Research Explorer II 40 meter CW transciever

MFR: Oak Hills Research
Address of MFR: 20879 Madison Street, Big Rapids, MI 49307
Designer: ?
Model: Explorer II 40M.
Price(s): \$100 list.
Availability: Now shipping.
Size: 2 3/4" H x 6 3/8" W x 6 1/4" D.
Weight: ??.
PC board: one double-sided PC board with plated thru holes and
 component screen.
Manual: Very detailed assembly instructions. Easy to follow.
Power : 13.8 Volts DC spec'ed.
RX Current Drain: 50 mA spec'ed, not measured yet.
TX Current Drain: 450 mA spec'ed, not measured yet.
Modes: CW only.
Kit?: Complete with all components, including pre-wound coils, case,
 and all hardware.
Bands: Single-band kits available for 20, 30, and 40 meters.
LO/VFO: VFO.
Drift: Not yet measured.
Dial/VFO Range: 70 KHz
RXR: Superhet.
XMTR: Works great. Very good reports from the 6 or 8 QSO's I've had.
Filter: Variable bandwidth, from 1500 to 340 Hz - this is a great feature!
Selectvty: Seems quite good so far.
RIT: Yes +/- 1 KHz.
Gain: Audio gain control.
AGC: Seems very good, but hasn't been worked too hard yet.
Preamp: None.

Atten: None.
SPKR: None.
Metering: None.
Side Tone: Yes, level variable on PC board.
Output: 2 to 3 watts spec'ed. I got about 3.0 with 13.1 volts.
Internal Keyer: None.
QSK: Very nice QSK.
Options: None.
Date of Review: 12/2/95
Author of Review: Greg Nunn AA0XZ

Comments: This is a great kit. It was fun to build and operates great. The variable bandwidth is a really nice feature. The only flaw in the kit was a 2.7 ohm resistor was missing (a 2.7k ohm was apparently sent by mistake). It required about 10 hours to complete (for a rather experienced kit builder). The quality of the circuit board and documentation combined to make this a pleasure to build.

The tuning procedure calls for a freq counter with 10 to 1 probe and a working rig on the same band. OHR will align it for you for \$30 (\$37 for Canadian customers, \$50 for all others).

OHR will warranty the parts for 1 year, and provide technical consultation for assembly and operation. Service labor to repair any malfunction caused by defective parts is also provided during the warranty period.

--

Greg Nunn AA0XZ

genunn@mmm.com

Disclaimer: Opinions are my own and may not represent the views of my employer.

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: hysell@kodak.com (John D. Hysell)
Subject: [717] fear not the CASCADE
Message-ID: <9512011242.AA05058@runner.itc.Kodak.COM>

Here is my humble suggestion for building the CASCADE (it worked for me).

Assemble all the errata that was submitted to the list, and print it out to paper. Cross check to eliminate duplicates, and then cut out each individual section. Tape each cutout to the proper page in the assembly manual, and circle, underline, cross-out as needed to highlight where the error or desired mod should be referenced.

Not only does this keep you on track while you are building, but it insures you can

re-trace your steps when you need to repair or make further mods.

In other words:

Ask not for a new manual; create your own...

73 -John

KF2XC

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995

From: RobCap@aol.com

Subject: [755] For Sale: Solar Panel, \$75

Message-ID: <951201172458_122341219@mail06.mail.aol.com>

For Sale: Solar Panel, in handsome atache case. Price is \$75 (firm), which includes UPS ground shipping to your QTH in the continental U.S.

Description: Solar Panel is housed in a handsome beige textured plastic case, with integrated carrying handle and black latches to close the case. Case opens to reveal two panels, one on each side, wired in parallel. The panels are flush mounted within the case, and are held in place with black rubber strips.

Dimensions of the case are: 18.5 inches x 13 inches x 1.75 inches (including handle).

Dimensions of the panel are: 12 inches x 12 inches.

Connection to the array is made via a DC coaxial jack, 5.5 mm by 2.1 mm, built into the plastic case.

Panel voltage is approximately 19-20 volts, and power output is approximately 250 mA into a 12 volt 7 amp-hour gel cell.

Please e-mail directly to me (Robcap@AOL.com), because I am not monitoring the QRP-L at the moment.

73,

Rob, WA3ULH

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995

From: KE3FL@delphi.com

Subject: [726] FOX

Message-ID: <01HYAHHPMI6A9C335Z@delphi.com>

Well, I tried for a bit last night on 7040 & then 7110, or as close to these up/down as my MFJ-9040 would get. Found no FOX at around 01:18-01:30 but did find N8MAT/Ed in Grosse Pointe MI running 120W from a Drake TR 7, I was using the MFJ at 3 watts. We had a nice QSO for abt 30 min when the band dropped out from under us. I still copied him at 339 or lower, just above the noise. He originally gave me 549 & I him 569.

Hope others did better, till the next time 74 de KE3FL/Phil
:)

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: Bob_Tellefsen-CNSE97@email.mot.com
Subject: [759] Foxless Tues/Thurs
Message-ID: <M570972.001.xktz0.1.951201232022Z.CC-MAIL*/OU=LMPCC10/OU=ILBB/PRMD=MOT/ADMD=MOT/C=US/@MHS>

So far, after a month of listening, I have yet to hear the fox. I have heard one station working him, tho.

It's not all lost effort, tho. In the process, I've picked up five new states toward my two-way QRP WAS. My antenna seems to favor the east coast over the midwest. Since I don't have all the east coast states yet, I'm not sure whether to complain about the fox or be happy with the new states.

Keeping my ears up,

BobT N6WG ___/
(o o)
\V/

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: "rohre" <rohre@arlut.utexas.edu>
Subject: [773] FW: RUN QRP-L X GETNR K5KVH
Message-ID: <n1394265880.59774@msmailgw1.arlut.utexas.edu>

Incredible, this is also my autodial no. on the local repeater!
I wonder how many nos. were handed out in the last ten minutes it took me to get the command message correct?

Guess I won't have as much trouble remembering this as my ARCI no. which has no local simile.

I will be on travel next week, so will check in next on 11 Dec. Wonder what the numbers will be up to that day?

: -)

72, Good fox hunting all, I may see real ones next week!

Stuart K5KVH

rohre@arlut.utexas.edu

From: listserv@lehigh.edu on Fri, Dec 1, 1995 10:16 PM

Subject: RUN QRP-L X GETNR K5KVH

Output from stdout:

You have been assigned QRP-L member #145.

Use it only for good, not evil.

72 es gl

dit dit

From qrp-l@lehigh.edu Sun Dec 3 17:28:00 1995

From: "Adam O'Donnell" <adam@philadelphia.libertynet.org>

Subject: [790] Gave up...

Message-ID: <199512022229.RAA25773@philadelphia.libertynet.org>

Oh well... My server kinda changed outgoing addresses.

The list still sends me messages.

It works, but the software won't recognize my name to unsubscribe or give me a number... doh!

18r

--

Adam O'Donnell, N3RCS

adam@libertynet.org, n3rcs@amsat.org

"I want to know how God created this world. I am not interested in this or that phenomenon. I want to know His thoughts, the rest are details."

-- Albert Einstein

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995

From: Mike Robinson <miker@cc.com>
Subject: [758] getting a number
Message-ID: <9512012310.AA06928@voder.nsc.com>

Apparently, my skim-read mode, first thing in
the A.M., allowed me to miss the number lottery.

How does one get a qrp-1 number?

```
=====
7.3 de Michael aa0ub          | QRP:
miker@cc.com Norcal #857 CQC #180 | "UR HB 5W FB HR 72"
=====
```

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: ae4ic@nr.infi.net (BOB KELLOGG)
Subject: [724] Headphones
Message-ID: <199512011537.KAA08682@moe.infi.net>

Gang,

I got my lite weight headphones from Wal-mart for less than \$10. Don't know
the brand, but they have TM-101 on each earpiece. The neat feature is that
the wire goes to the left side only. (no split line running a wire to each
phone) MUCH easier to get on and off, and the wire doesn't get tangled.

Bob Kellogg, AE4IC
Bob Kellogg, AE4IC

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: JKXM17A@prodigy.com (ALLEN SMITH)
Subject: [708] HW-9 Assembly Manual
Message-ID: <013.05836462.JKXM17A@prodigy.com>

Sorry about this but got to try again, with a different approach. Trying
to obtain a copy of the HW-9 step by step assembly manual has proven to be
an impossibly tedious task for those who must do the coping of all those pages.

So....is there anyone out there who would like to sell outright the HW-9
assembly manual? If so I ask that you please contact N0ZA, Ross, at the
following email address: harrell1@aol.com and state your conditions.

I failed to obtain one acting as a middleman with the good folks here on the list. Thanks so much if anyone is able to help him. AA0YU Allen

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: Bing WB2SXN <ADMINH10%CLVM.BITNET@CUNYVM.CUNY.EDU>
Subject: [720] HW8 Handbook
Message-ID: <"omnigate.c.639:01.11.95.13.41.53"@clarkson.edu>

tnx fer all the responses - sold to David Adams - he was #1 - 73 de WB2SXN

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: V\$BCIESLAK@china.qgraph.com
Subject: [734] I am #58
Message-ID: <01HYAJ7F88KI011B7P@hub.qgraph.com>

As of 11:58 CST I became QRP-1 #58.....I wonder if this thin has dupe checking?

Brian AE9K

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: pcalcand@sescva.esc.edu (PETER CALCANDY)
Subject: [762] LIST NUMBER
Message-ID: <95120120172369@sescva.esc.edu>

On December 2 at 0113utc I was awarded qrp-1 number 132. Oh Boy!
Remember the QRP sprint this weekend. Since it is a sprint, I will
only offer a short beer this time. Remember, QSO=SHORT BEER.
QSO=SHORT BEER QSO=SHORT BEER

See y'all
Peter N2KPY
ORP-L official number 132

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: torell@sicom.com (Kent Torell)
Subject: [736] list number
Message-ID: <v02130501ace4f6925c7d@[192.91.202.41]>

Just got #57....72 is just minutes away!

KJ7EY

Kent Torell torell@sicom.com 602-483-2867
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: nohts@A.crl.com (John Olson)
Subject: [786] Logging programs
Message-ID: <199512021937.AA12290@A.crl.com>

Does anyone know of some good logging programs that can be downloaded from the internet.

Thanks.

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: bfinch@asp.vet.purdue.edu (Robert Finch)
Subject: [779] MASTER errata for cascade
Message-ID: <9512021559.AA15192@asp.vet.purdue.edu>

two quick things

1) i made up a master errata listing AFTER asking here if u guys wanted sumone to do this. the response was favorable and sum ask for sum editing. THAT IS WHAT WAS UPLOADED TO THE FILE AREA. IT ISNT ANYTHING NEW (YET) BUT IT IS CONDENSED.

It is unfortunate that there has been sum uproar over more errata. Hey guys if more is needed, then be happyto have it. AND don't grouse if u haven't gone thru what u think is new, especially when sumone (like me) spends the time to compile and condense it for ya.

2) i can't charge anything for this service jeff. i don't own copyrights to any of it other than mine. sorry, but it is a labor of love.

baab,n6cxb
bfinch@asp.vet.purdue.edu

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: KE3FL@delphi.com
Subject: [725] More help for NE 4040/30meter version
Message-ID: <01HYAH6VD0329C335Z@delphi.com>

First, Thanks to all about the "band changing" for this rig, got some good info even if the conclusion wasn't as I'd hoped, oh-well, can't have it all I guess.

So here's my next question: I have put together L1 for the 4040 kit and on my Beckman LM22A LCR meter it measured 4.0 - 3.7 uH, I figure that's just fine. However, L4, 4T #22 on FT37-43 (target of 7 uH) I measure only 1.4 uH??? I tried again with 10T and got it up to 5 uH, what gives? Is the meter that far off or do I have a wrong core? It DID come out of the bag marked #43, I have enough wire to try once more, but what should I do? I will wait until I have some good info on this one, continuing with putting in the other parts.
Tnx & 73 de KE3FL/Phil
:-?

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: Steven Pituch <n2mnn@buttercup.cybernex.net>
Subject: [769] Must Unsubscribe (temporarily)
Message-ID: <199512020243.VAA13948@buttercup.cybernex.net>

Sadly I must unsubscribe because my 7 day trial subscription to my current Internet service is not panning out, and I stopped using my old service yesterday to avoid another monthly charge. The month that I've been with QRP-L has been the biggest morale boost to my QRP and general ham efforts that I have ever experienced. I seem to be the only serious QRP'r in my immediate area, so until I found QRP-L I felt quite alone in this flea powered aspect of our hobby. Hopefully I will be back on line by next Friday with a new service.

Three cheers for QRP, and everyone on this net!

See ya later,

Steve Pituch, N2MNN

Steve Pituch, N2MNN
N2MNN@bc.cybernex.net

From qrp-l@lehigh.edu Sun Dec 3 17:28:00 1995
From: "J.RAINS AA9KM" <RAINS@nku.edu>
Subject: [788] My number
Message-ID: <01HYC4F31YBMCVACIW@NKU.EDU>

My number is 175, what do I get to do with it?

Justin AA9KM

```

      _-===-_,-.
      /--'\ \_@-@.-<
      '---'\ \ \ <_--/ .
            \ \ \ " /
            >=\ \_/' <
            /= | \_ | /
      _-'-----'\ \_/_/===\_--/
= - - _/_/=====
| Justin Rains | Have
| rains@nku.edu | a Day!
| http://www.nku.edu/~rains/ |
=====

```

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: Brien Pepperdine <pepperb@gov.on.ca>
Subject: [707] NE QRP club
Message-ID: <Pine.OSF.3.90.951130221437.18233B-1000000@govonca2.gov.on.ca>

Anyone out there from NE -QRP want to give us all a final dunning message re. the end of the membership year - renewals etc. in order to be sure to get the next exciting issue of 72?

Thanks

Brien
Toronto

pepperb@gov.on.ca

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [767] Need reply from Bay-area recipients of this list
Message-ID: <v0213050face56618285a@[199.170.106.28]>

Gang,

I'd like to compile a list: the subset of QRP-L recipients who consider themselves in or near the San Francisco Bay area. We occasionally need to send messages only to the locals. Please RSVP so I can add you to this list. I'll make it into a nice packed list that we can all use.

Up for discussion first will be the possibility of an *outdoor* NorCal day hike/meeting to take place once a month somewhere in the area. This will be just as casual as the usual NorCal meetings, but the emphasis will be on walking a couple of miles--possibly even uphill!--to operate some QRP.

Field day and the Foothill flea market are out of the picture for months, but that doesn't mean we can't take advantage of what few tolerable days there are to get some fresh air and snatch electromagnetic fields. Let's put the 'P' back into 'QRP'--Portable.

Thanks,
Wayne
N6KR

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: ae4ic@nr.infi.net (BOB KELLOGG)
Subject: [732] New Hams - NorCal
Message-ID: <199512011735.MAA27608@moe.infi.net>

Guys,

After reading Dave's comments about being a new ham, I have to share my story. I got hooked on ham radio in the late 40's. I was a high school kid, and with the help of some Elmers, bought a command set (\$2.00) and converted it for 10 meters. I'll never forget the thrill of hearing california hams booming in like they were next door! (sun spot cycle high). Unfortunately, the ham club met on the same nite as a high school club and I had to make a choice. My code speed was up to about 12wpm, but I chose the h.s. club, because I knew I had the rest of my life to be a ham.

Soon, the Novice class was introduced, but I was too proud to allow myself to be called a "Novice", so I didn't get my ticket. Then came college, marriage, 4 kids, a busy career, (electronics was a hobby) and finally retirement. I got my tech-plus call, KE4UPV, in late Jan '95 and read about the vanity calls. Hurried to upgrade so I could get a good call like some of my old high school buddies have. Got AE4IC as an extra and decided to keep it.

Early this year N4JE0 told me about NorCal. Joined, read about the Sierra and decided it was ideal for me. Wanted to take it with me to the beach, family vacation. - But, I had missed the window. All kits sold, and Wilderness not ready. Contacted Jim Cates with a sad tale of woe about how badly I wanted to build a Sierra. Wayne Burdick sold me a spare main board, module boards and manual. Jim sold me some parts that he had that would fit Sierra. I scrounged the rest. Building was a nice challenge because some of my parts were different size, etc. My local NTE distributor sold me some wrong transistors, so troubleshooting was a bear, but I was on the air in time for vacation!

Built a 20m vertical just for the occasion. Sat on the beach with my little rig powered by a gel cell. It was great. The first day I worked Estonia 569. Many contacts and more DX. A great time.

Although I have an old Kenwood TS-520 the Sierra is my rig of choice. I'm having a great time with QRP and CW.

The pleasure I get from being a Ham has been multiplied many times by the great guys I've met over the air and thru NorCal. One of my first 30M contacts was Chuck, K5F0. The extras who answered my 5 wpm CQ's, the guys who wrote me letters after a QSO, those who set up schedules with me so I could practice on the air -- I can't name all of the hams who have helped and encouraged me.

It's obvious, too, that this forum is populated with the same kind of people.

Thanks, guys, --sorry for being so long winded!

Bob Kellogg, AE4IC

Bob Kellogg, AE4IC

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: passione.vince@dj.com (Vince Passione)
Subject: [746] New Jersey QRP meeting
Message-ID: <9512012028.AA01429@pluto.dowjawg>

Greetings:

The New Jersey QRP Club will be having its next meeting on Wednesday, December 6th at 6:30 PM.

The meeting will be in the Forrestal Village on Route 1 just north of Princeton, NJ. Look for the food court building, we'll meet at 6:30 inside near the Ben & Jerry's. If you need more detailed directions send me direct e-mail or phone me at 609-520-4803.

This is an informal "show and tell" meeting. Anyone interested in QRP is invited to attend.

73,
Vince WA2ECP
vincep@dj.com

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: jps@kodak.com (John P. Spoonhower)
Subject: [728] new vibroplex racer
Message-ID: <9512011628.AA02078@lumi.Kodak.COM>

Guys, I have looked through the most recent publications looking for the new Vibroplex square base racer the one first announced here on qrp-1. Does anyone have any info on where I can purchase one of these? For what cost? Christmas is fast approaching.....
72, john, kc2du

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: eleon@msu.edu (Dr. Edgar Leon)
Subject: [747] Number
Message-ID: <ace533a00402100413d5@[204.22.210.53]>

Hello There!!!!

What is my number???? I dont think you gave me any.

Edgar WR8Z

Edgar Leon
eleon@msu.edu
Michigan Department of Education
Migrant Education Consultant
(517)373-4582 Fax:(517)373-4589

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: JEVERHART@cayman.vf.mmc.com
Subject: [751] Number
Message-ID: <951201162721.22672e7c@carib.vf.mmc.com>

Gang,

Boy you can sure tell who's not busy. Just look at those low numbers! OK, the first few are "gimmies". But after that are the idle netsurfers :-).

I barely made two digits - #97. Had to attend a "working lunch" that lasted until 3. As if that weren't bad enough, it was offsite!

Now then Chuck, we gonna use them in the fox hunt or what?

72,73,

Joe E., N2CX

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: cebik@UTKVX.UTCC.UTK.EDU
Subject: [733] numbers
Message-ID: <Pine.PMDF.3.91.951201124437.543760933A-100000@utkvx.utk.edu>

By about 12:30, the numbers had run about half way to 72 and to 73. Good luck.

-73-
LB, W4RNL

L. B. Cebik, W4RNL	/\	/\	*	/	/	/	(Off) (615) 974-7215
1434 High Mesa Drive	/	\	\	\	----	/\	(Hm) (615) 938-6335
Knoxville, Tennessee	/\	\	\	\	/	/	(FAX) (615) 974-3509
37938-4443 USA	/	\	\	\			cevik@utkvx.utk.edu
QRP/ARCI 2572	G-QRP	7203	CQC	125	NEQRP	347	NORCAL 1111 MIQRP 1432

QRP-L 37

ARRL-Life

QCWA-Life

10-10 41159

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: Scott Rosenfeld NF3I <ham@w3eax.umd.edu>
Subject: [713] OHR Explorer II comes to life!
Message-ID: <Pine.3.89.9512010919.B581-0100000@w3eax.umd.edu>

Best \$80 I have spent in a long time!

Kit went together without a hitch (about 10 hours of building time), save for a little problem I'm having with the transmit offset frequency. The receiver is quiet & sensitive, and the variable BW seems to work well.

Can't wait to listen to some real signals with it (it was 1 a.m. when I finally fired it up and got it aligned, and 20m was totally dead). Hooked it up to my TT 1208 xverter and listened to the W3VD 50.064 beacon for a while...W3VD/APL 39.0N 76.9W BEEEEEEEEEEEEEEEP...

Turns out all the IC sockets were indeed there (one got misplaced). No bad solder joints, no bridges, first thing I've built in a LONG time that pretty much worked as it should've the first time...

Scott Rosenfeld NF3I Burtonsville, MD FM19 QRV 40-10/6/2/440
** Yes, you CAN do VHF contests with 25W and omni antennas **
Still stuck at 138 countries confirmed on HF w/dipoles...

72 & 73 from lovely suburban DC 301-549-1022 weekends/evenings

From qrp-l@lehigh.edu Sun Dec 3 17:28:00 1995
From: Duane Anderson <dandersn@ix.netcom.com>
Subject: [781] OHR KITS
Message-ID: <199512021606.IAA18785@ix6.ix.netcom.com>

I just got my kits from OHR (20M Explorer II, 40M Sprint II and Keyer kit). Dick really puts out nice looking kits. The enclosures are really very pleasing to look at, all painted up nice and clean. The circuit boards are of excellent quality all silkscreened and plated through holes. I built the Classic two years ago and I think these are a little bit better. He has made some nice improvements.

Well with all these kits to build, guess where I will be for several days??

At my work table with soldering iron in hand.

BTW, I have read some messages regarding the markings of parts not being what they are on the inventory lists. Those parts with 22J, 151J, 161J, etc. are the value of the number (22J = 22pf, 151J = 150pf, 161J = 160pf). In my Sprint kit I had these same numbers on the npo caps and after a phone call to OHR, I found out that he gets some manufacturers marking them one way and then he gets more from somewhere else and they mark them different, but Dick cant keep changing the inventory lists all the time. We just gotta figure them out.

Also, on the mono caps you will find:

part # mc100 = 102 on the cap value: .001uf
part # mc101 = 103 on the cap value: .01uf
part # mc104 = 473 on the cap value: .047uf
part # mc102 = 104 on the cap value: .1uf

Guess I'd better get back to it.

72, de Duane, KJ7H0, qrp-1 #164

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [763] on 100% PCB test & the new Sierra boards
Message-ID: <v0213050dace55dd83836@[199.170.106.28]>

Hi all,

After doing several NorCal and Wilderness projects I've learned the hard way that PCB errors can occur at the manufacturer, no matter how good they are.

For that reason the new Sierra boards are being 100% tested on a bed-of-nails fixture. I highly recommend this be done on all production boards, since it will eliminate what is the cause of about 50% of the in-field failures. [Note recent posting on this topic from Marshall, AA0XI, re: the Explorer II.]

73,
Wayne
N6KR

From qrp-l@lehigh.edu Sun Dec 3 17:28:00 1995
From: cebik@UTKVX.UTCC.UTK.EDU
Subject: [778] Procedural note
Message-ID: <Pine.PMDF.3.91.951202064144.543720268C-100000@utkvx.utk.edu>

Saw a couple of messages from folks asking how to obtain a QRP-L #. I assume someone answered, but just in case, here is what worked for me.

Send a message to
LISTSERV@LEHIGH.EDU
Text:
RUN QRP-L X GETNR callsign

Be sure you are a subscriber first, as it only recognizes subscribers. This can create a problem for a few with different "reply to" and "from" addresses, if the program read the one not in the subscription list. This may also be the first time you are accessing the listserver directly, and you own server may have slightly changed your reply address (they do that without telling folks who pay them). If you still cannot access the program, please contact Jim Eshelman directly--he is great about straightening out access difficulties like this. In fact, he has done a first rate job in assisting both this list and others he manages--I, for one, appreciate his understanding of what we need and how to provide it in the most direct fashion possible.

I have only seen numbers up to somewhere in the 140s, and there are perhaps 450 subscribers. We are a long way from issuing #599, for which there ought to be a prize, like an automatic power reducer.

Hope this helps those who have hit a snag--or who might soon.

-73-
LB, W4RNL
QRP-L #37 (Like most other things, I even got 73 backwards.)

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: Phillip Cuchetti <ab082@leo.nmc.edu>
Subject: [764] qrp #
Message-ID: <Pine.ULT.3.90.951201205818.7900B-100000@leo.nmc.edu>

Got # 106.....had to work today, and was slow at the draw...
but 106 ain't bad...I think I'll keep it....hi
72..Phil KD8UX

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: km@PACT.ORG.PE (Kris Merschrod)
Subject: [711] QRP - Philo. Questions ERP is the way to go!
Message-ID: <m0tLKNg-000q6wC@rcp.net.pe>

Here we go again,

QRP - letter of the law 5w CW; 10w SSB

QRP - Spirit of minimalism, i.e., doing with simple systems to the point of making it hard on your self. Perhaps appeals to the "tight fisted," the masochistic, or Don Quijote types. (In the masochistic case it boils down to throwing the whip out the window and transmitting through it in stead of applying it to your back!)

Thus ERP would be a more uniform standard for reporting your state of minimalism. The categories should probably be on a log scale or in expected S-units of difference.

A few years ago this was hashed over in MI-QRP pretty well. I even analyzed data from contest results to see if the estimated ERP would be a determining variable in scoring. To save everyone the agony of going through their archives; the best indicator of total score was length of time on the air. Sounds reasonable. After all of that statistical analysis my conclusion was, "I'm sorry that I brought up the subject."

On second thought, ERP still sounds like a good idea. After all, you can faithfully report the extreme to which you've gone minimalist. I always felt that I was not so minimalist when running 600 mW into a 4 element quad with at least a 10 dB gain -- that is 6w ERP (using Belden 9913 too)!

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: Byron8LCZ@aol.com
Subject: [772] QRP DX !
Message-ID: <951201230415_122632650@emout05.mail.aol.com>

Hi Gang,

This last month has been excellent for QRP DX. I have worked OY1G Faroe Island, EA9IE Ceuta in N.Africa on SSB on 17m & 12m, LY2BR Lithuania, FY/DJ0PJ French Guiana 2 way QRP, OH2LLZ Finland, LA5M Norway, GM0RRU Scotland, XQ0YAF Easter Island, OZ5MJ Denmark, JA8PYN Japan worked him twice in four days, AL7JM Alaska, EA9PB Ceuta, LX1DA Luxembourg, PI50TUE Netherlands, S53DA Slovenia, CU2HT the Azores, RA2FJ/MM English Channel, IS0MVE Sardinia, SV1COM Athens Greece, KG4SH & KG4NA Guantanamo Bay Cuba, VP2EFO Anguilla Island, J6/WJ20 St Lucia Island and lots more. Mostly on 17 meters CW. When the band opens, its open less then an hour and its continually opening and closing a little. The signals go from faint to S2 or S3, then their gone. sometimes only strong enough to copy for 2 or 3 qso's.

My efforts on DXCC 17m QRP CW has gone from 52 countries to 74 countries just since Sept. After a deader than dead summer, this is a welcome change. My efforts on mixed bands DXCC QRP CW has gone from 106 to 113 countries since Sept. I'm trying to see how far i can go on 5 watts and no radial vertical antennas. I've used Cushcrafts R5 & R7 and Gaps Eagle and Titan. My favorite is the Gap Titan. No traps to adjust and readjust, wider bandwidth (cw & ssb), instant QSY, low angle of radiation (about 17-19 degrees)

I'm also into IOTA (Islands On The Air) awards program. Have worked about 52 islands so far.

Most of these in the Caribbean and near Europe. Newest IOTA worked today is VE7BLC on Salt Spring Island, B.C. NA-075

The first award is for 100 islands, with endorsements in 100 island increments. There are about 800 islands throughout the world that qualify for IOTA.

How have the rest of you DX hounds been doing ? any other IOTA fans around ?
How have you been doing the last 30 days ?

72, Byron WA8LCZ Detroit

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: "evans ken" <evans.ken@wgs-2.bwi.bls.com>
Subject: [737] QRP-L #
Message-ID: <n1394298015.85716@wgs-2.bwi.bls.com>

AT 1:25PM EST TODAY I GOT # 70. YOU MAY BE TO LATE IF YOU'RE TRYING FOR 72 OR 73.

KEN
KJ4XR

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: ddw2@Lehigh.EDU (Dah-Jyuu D. Wang)
Subject: [744] QRP-L #
Message-ID: <199512011951.0AA40509@ns4-1.CC.Lehigh.EDU>

Well, I missed it by just one number, 8-(.

You have been assigned QRP-L member #71.
Use it only for good, not evil.

72 es gl

dit dit

DJ/n2ykp/3

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: plquick@facstaff.wisc.edu (Paulette Quick, N9OUH)
Subject: [731] QRP-L Member Numbers
Message-ID: <v0211010aace49029ab3f@[144.92.104.146]>

Gang,

I thought I would be sneaky and request an Official QRP-L listmember number before the stated start time of 12:00 pm EST.

Though five minutes before the start time, I was already #6. And there is a "dit dit" at the end of the return message. Hmm, guess we know who set up the program! Thanks Chuck, and how's the snow in Dallas? Wisconsin thought to send down some antenna weather to Southern U.S. hams in case you all wanted to build some pre-holiday dipoles and beams.

If you want to get a number and didn't see the 11/28 message from Jim Eshleman, here's what he said you should do:

To obtain a QRP-L member number, send an e-mail message to listserv@lehigh.edu and in the BODY of the message type this command:

RUN QRP-L X GETNR callsign

Now let's see how many people wait until they think they can get #72.

N90UH
Paulette Quick
plquick@facstaff.wisc.edu

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: SHUSTER5647@delphi.com
Subject: [770] Questionable MFJ 90XX Audio Mod
Message-ID: <01HYB43D4YQ09AVM0K@delphi.com>

When I joined ARCI a couple of months ago, I sent Mike extra money for back copies of the QRP Quarterly. I'm finally getting around to reading them in fine detail.

The July 94 issue has MFJ 90XX mod info on page 29 in the Idea Exchange section. It describes how one can boost the audio output by replacing R27 with a jumper. For those with MFJ manuals at hand, it's at the 12 o'clock position on the schematic, a 100 ohm resistor.

I used a jumper wire across the resistor to essentially take it out of the circuit, and there was no increase in volume from the speaker.

I know a retired electronics engineer from Boeing who builds his own QRP rigs from scratch. He examined the MFJ schematics and concluded that it would be impossible to gain volume from this "modification". This resistor is located in the IF Amp circuit. He told me that removing this resistor would only create instability in this section of the radio.

I have 3 MFJ rigs. The 20 meter is twice as loud as the 15 and 30. I'd like them all to be as loud as the 20. The 20 has R27 in the circuit and seems to be identical to the 15 and 30.

In summary, two questions:

Is this modification incorrect as my electronic engineering elmer says?
How can I boost the volume of my 15 and 30 to match my 20 without adding an amp board or other major surgery.

Bring on the gurus!

John Shuster
KC7CKP
Group Purchase Coordinator Emeritus

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: Marshall Emm <75230.1405@compuserve.com>
Subject: [792] Request for Rulemaking?
Message-ID: <951202230333_75230.1405_HHB30-2@CompuServe.COM>

Several times over the last week or so I've seen for-sale ads from people who say "please respond direct as I am not a subscriber."

IMO that stinks. This isn't a newspaper; it's more like a club. Why should the List be available for such purposes to those who aren't otherwise interested in contributing or learning?

I hope there's something that can be done, even if it results in messages being accepted only from subscribers (how hard is it to subscribe, anyhow!).

Please pardon the whining, and excuse this use of bandwidth-- if you want to comment please do so direct. I feel better now.

73/72
Marshall
AA0XI/VK5FN
QRP-L #153
CQC #154

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
Subject: [745] Re[2]: SUN SPOTS: THE BEST IS YET TO COME!
Message-ID: <9511018178.AA817853637@smtpgw.ccgate.dl.nec.com>

Chuck:

Thanks for the info. Boy, I'm getting really excited about the things to come in a few years. I haven't worked any European stations yet. I'm very anxious to get into that part world.

72/73 de Dave KK5HA

----- Reply Separator -----
Subject: Re: SUN SPOTS: THE BEST IS YET TO COME!
Author: adams@chuck.dallas.sgi.com (chuck adams) at smtpink-dl
From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995

From: "Adam O'Donnell" <adam@philadelphia.libertynet.org>
Subject: [771] RUN QRP-L X GETNR N3RCS (fwd)
Message-ID: <199512020313.WAA22607@philadelphia.libertynet.org>

Can anyone give me a hand with this?

> From listserv@lehigh.edu Fri Dec 1 22:11:53 1995
> Reply-To: listserv@lehigh.edu
> Sender: listserv@lehigh.edu
> From: listserv@lehigh.edu
> To: adam@philadelphia.libertynet.org
> Subject: RUN QRP-L X GETNR N3RCS
> X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
> X-Comment: Lehigh University List Server
> Message-Id: <95Dec1.221130est.215851-2+2@fidoii.cc.lehigh.edu>
> Date: Fri, 1 Dec 1995 22:11:20 EST
>
> adam@philadelphia.libertynet.org: List QRP-L is private for members only.
> Only subscribers may issue this request.
>
> In addition, the system found the following address(es) that resemble yours.
> If one of these is you, please resend your message from that one:
>
> ADAM@LIBERTYNET.ORG

ugg...

--

Adam O'Donnell, N3RCS
adam@libertynet.org, n3rcs@amsat.org

"I want to know how God created this world. I am not interested in this or that phenomenon. I want to know His thoughts, the rest are details."

-- Albert Einstein

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: kreinbd@ccgate.dl.nec.com (David Kreinberg)
Subject: [718] SUN SPOTS: THE BEST IS YET TO COME!
Message-ID: <9511018178.AA817833660@smtpgw.ccgate.dl.nec.com>

Hello All:

Many thanks to all the nice responses I received
about my questions on how great hamming can be

during cycle peaks.

For those of you who are relatively new to Amateur Radio (like me) and have only gotten involved since the last spot cycle peak, here is a nut-shell review of some answers I got:

- * During the peak years, 20, 17, 15, 12, 10, and 6 meters are wonderful; contacts will follow the sun's direction (generally).
- * 20 meters is (usually) a 24 hr/day band to somewhere.
- * 10 and 15 are extraordinary amazing: a few watts 'o power and a decent antenna will get you about anywhere in the world!
- * Low bands (160, 80/75, 40) for the most part stay the same as they always do. Maybe a little softer than at spot mins, but still reliable for good, solid Q's.
- * Bottom line: the best in ham radio is yet to come - for those of you having a ball now (at minimum spots), just wait and in a few years it will be tremendously fun!!

For those of you who missed my original posting, my offer still stands about giving us your DX experiences during sun spot peak times. I find it fascinating to read about people's "ham career" highlights and the best propagation they've run in to.

So break out your "mental log books" and tell the gang (especially ham plebes like me) the cool things you were able to do during spot peak times!

Thanks again to those who already posted answers.

72/73 de Dave KK5HA

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: Bob_Tellefsen-CNSE97@email.mot.com
Subject: [757] Sunspot Activity at Maxima

Message-ID: <M570944.001.xjpl0.1.951201225608Z.CC-MAIL*/OU=LMPCC10/OU=ILBB/
PRMD=MOT/ADMD=MOT/C=US/@MHS>

David:

The best sunspot maximum I've experienced was the 1956-1958 period while I was in Alaska as a KL7.

One night I had an hour long rag chew between me in Alaska, a ham in Thule, Greenland, a ham at the WWVH site in Hawaii, and a ham at the South Pole. I doubt I'll ever have that experience again, but it's great to look back on.

Auroral activity is also higher during sunspot maxima. It would cause signals to fade out rather abruptly. When we went outside, we would see these great wagon wheel bursts of aurora streamers, radiating from right overhead. At this point, you turned off the gear and started a good book that would last you about three days.

You have a lot to look forward to. Enjoy.

Bob, N6WG (ex KL7SMC)

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: W3ZIF@aol.com
Subject: [760] THANK YOU VERY MUCH!!
Message-ID: <951201190701_122433823@emout05.mail.aol.com>

Thank you folks for the numerous replies I received regarding my dilemma in not being able to remove the tuning knob from my MFJ-9020.

I received some very good ideas as to how to do it and I will now try to determine which is my best route to alleviate the problem.

Many thanks to you and wishing you a very Merry Christmas and a happy, healthy and prosperous new year.

Best 73

Roy - W3ZIF

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: walworth@ICSI.Net (Bob Walworth)
Subject: [761] thanks
Message-ID: <9512020117.AA10793@ICSI.Net>

Thanks so much to all who responded to my plea re: the HW-8 info.
Twas a super endorsement to the comradery of this group.

CU in the Sprint this Sunday.

73 all

de Bob/AK5B
QRP-L #123
Bob Walworth
AK5B
Spring TX

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: JKXM17A@prodigy.com (ALLEN SMITH)
Subject: [709] The Big Deal?
Message-ID: <013.05836458.JKXM17A@prodigy.com>

WB8ZJL, Paul, writes..."FOX Hunts...What's the big fat deal?"

I dunno, Paul, I can't imagine why you even bothered with that nonchalant stroll to the shack where you bagged the fox on one call and a thank you very much good night, ho humm.

I guess I am not sure if this "in your face" kind of remark is supposed to serve as inspiration to us all or a warning to stop the whining. Maybe it's supposed to be amusing.

All I can say is yes, with a homebrewed 1.5 watt transceiver and wire antenna laying flat out on the roof at 15 feet, IT IS A BIG DEAL!

So there. With kindest regards, Allen - AA0YU (Grand Junction, CO)

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: "Timothy J. Pettibone" <tpettibo@NMSU.Edu>
Subject: [749] The Gods have smiled upon me!
Message-ID: <Pine.A32.3.91.951201135904.103582B-100000@hector>

I got number 73 and wasn't even trying!

Tim, AB50U

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: Raymond.Anderson@Eng.Sun.COM (Ray Anderson)
Subject: [750] the number
Message-ID: <9512012117.AA02341@radium.Eng.Sun.COM>

Got the last 2-digit # ! Ha!!!

Output from stdout:

You have been assigned QRP-L member #99.
Use it only for good, not evil.

72 es gl

dit dit

-Ray WB6TPU

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: Nick Franco <kf2ph@bnl.gov>
Subject: [752] The Number
Message-ID: <01BAC00C.BD364160@nickf.rhic.bnl.gov>

Wow, there goin' fast. Post after post about everyone's number.

I thought this thing started at midnight. I figured by this morning the =
numbers would be in the mid-hundreds. I don't remember when I first =
tried, but I had a lot of trouble. I changed the platform where I =
receive my mail so the from address didn't match the listserv record for =
me. I unsubscribed and subscribed from the new area. Then the RUN =
command was looking for a password?? - I supplied the password from the =
new subscription and it didn't like that. Then, finally I just sent the =
mail the way I did the first time but from the new area with the correct =
email from address and voila!

Based on this preface - what number do you all think I wound up with?

you got it - 13. Yep - lucky 13. Well I like it just the same. =
Who knows maybe I'll finally hear that wiley fox. Been gettin' skunked =
royally lately. Yeah - lucky 13. Fits, don't it. Yep!

Well, I already changed my QSL file and started printing up a few cards =
to have on hand with the QRP-L number boldly displayed on them. Yeah, I =
make my own cards from a paintbrush file in the Word Pad from Windows =
'95. It works just fine. Almost never a hitch (you know what's =
coming).

Yep - went to print up five sheets of cards (I put 3 on a page). 15 = QSL cards - right? uhh-uhh - had a printer jam on the the first sheet = after only printing one card on the page. I re-started the printing for = the remaining four pages...

Let's see - 4 pages with 3 cards on each page = 12 cards yeah...
and one card from the first page that was salvagable....

Wouldn't you know - 13 cards - Yep - perfect.

72 de # 13
Nick - KF2PH

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: "Paul Weiss" <pweiss@compumedia.com>
Subject: [727] The Power Station #SB752 - Good ?
Message-ID: <m0tLY65-00078CC@compumedia.com>

I have a HW-7 and would like to power it off a battery. I was looking at The Power Station as a power source not only for the HW-7 but also for my HT when the power goes out or I go camping. I would keep it plugged it all the time and power the HW-7 from it. When I go camping I would like to use a solar panel.

Any suggestions.....Thanx Paul - KC7FYQ

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: Mike Rioux <mrioux@ftp.com>
Subject: [739] What's this number stuff?
Message-ID: <MAPI.Id.0016.0072696f757820203443463630304334@MAPI.to.RFC822>

I must of missed the post that described the procedure for getting a qrp-1 number. Can someone send me the info please. Send direct to me. Tnx.

Mike Rioux, NW1J 508-659-6347
FTP Software, Inc. FAX: 508-659-6112

2 High St.
No. Andover, MA 01845
Six of One

mrioux@ftp.com

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: "J. RAINS" <RAINS@nku.edu>
Subject: [787] What's this number stuff?
Message-ID: <01HYC4DA0NZSCVACIW@NKU.EDU>

What are these numbers for?

Justin AA9KM

```

      _-==_-, -.
    /--' \_@-@.--<
    --'\ \ <_--/.
        \ \ " /
        >=\_/_/'<
        /= | \_||/
    _'-----\ \_/_== \_--/
= - - _/_/=====
| Justin Rains | Have |
| rains@nku.edu | a Day! |
| http://www.nku.edu/~rains/ |
=====
```

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: Bensondj@aol.com
Subject: [782] Re: 40-40 Mods
Message-ID: <951202112625_62856562@emout06.mail.aol.com>

Hi Gang-

on Friday, Dec. 01, Mike.Czuhajewski@bbs.abs.net (Mike Czuhajewski), wrote:

>>Here's something I found recently on >>rec.radio.amateur.homebrew and the author

>>gave me permission to repost it here.

>> (text followed)

(I had just sent its author - Bruce Tiemann- a set of response comments (which I hope he sees fit to share with his newsgroup). I'll share them here. My original reply to him addressed the sidetone volume and mute release timing, but unfortunately I didn't save those late additions to the text. - Dave)

Hi Bruce-

I'm the author of the 40-40 construction article which appeared in the November 1994 issue of QST. A friend forwarded the posting, and I'll offer the following comments in response:

Receiver Gain-

At my location, attaching a full-size antenna to the unmodified 40-40 results in a *noticeable* increase in receiver noise, perhaps on the order of 15-20 dB. I changed C31 from the original .01 uF to a 68 pF to improve image rejection, which was more of a concern with the 10.1 Mhz version. As measured, the additional loss due to the 68 pF value of C31 was less than 2 dB. The value of C31 will greatly affect the sensitivity, however, if the C1/C2/T1 network is way off resonance and thus presenting a low impedance at 'RF_In'.

In my experience troubleshooting this rig, the symptoms you describe (increasing C31 or connecting the antenna directly to T1 increases gain considerably) may be traced to one of several problems:

1) Accidental use of a -43 core instead of the -61 core for T1 results in a front end way off resonance. Trimmer cap C1 yields a broad peak when tuned and is set at the 3/6/9/12 o'clock position.

2) A short between pins 1 and 2 of U1 (across T1 secondary) or between one of those pins and ground. Trimmer cap C1 has little effect in this case. I don't have you in my customer database, so perhaps you bought a PC board from FAR circuits. FYI- I ended up scrapping 20% of the last lot I bought -a long time ago- from FAR. Most of the rejects were due to underetches, many of which resulted in shorts at the locations I mentioned. Caveat emptor.

3) One other long shot- Components left lying around for long periods of time (without inert gas packaging) will become increasingly difficult to solder due to lead oxidation. For some reason, this seems most acute with crystals, perhaps because suppliers turn this inventory over slowly. I'd recommend retouching all solder joints in the IF filter "just in case".

It sounds from your description like your 40-40 is down 20-30 dB from proper operation if adding a preamp *just* lets you hear atmospheric noise. I'd start there. This design is definitely not internally noise-floor limited on 40 Meters.

More receiver gain-

If the sensitivity on the 40-40 is real low, then you've likely got the RF gain control maxed out most of the time. When the band is in good shape, and assuming the front end is functioning properly, the NE602 is going to suffer IMD pretty badly with a preamp. It offers a much lower (worse) IP3 than the diode-ring DBMs and other Gilbert cell devices like the Plessey SL6440. The unmodified 40-40 is usable during hot band conditions because the RF Gain is right out at the front end. In general, I'd advise against using a preamp with this mixer on 7 Mhz.

Transmitter efficiency-

I note that the test measurements were taken using a 15V supply. Solving for a 50-ohm collector impedance, optimum efficiency would be expected to occur at 2.25 watts. I characterized the 40-40 for 12V operation in my writeups, as this supply voltage is normal for the battery sources often encountered in QRP/ portable applications. Also, if you're running the modified 40-40 at 3-5 watts you may want to consider modifying the output network for a collector impedance on the order of 25 ohms. BTW- I've also been asked why the 40-40 wasn't designed for more output power. When this design was first produced for the New England QRP club, I was getting the PAs for under a buck and no heat sink was needed. We put a high premium on cost/benefit in the original design and this trade was one of the outcomes.

Birdies and Bandspread-

Yep, there's a strong birdy at 7.000. Most builders end up setting the 35-40 Khz bandspread to include the QRP operating frequency of 7.040, so they never experience this problem. I'm flattered that you want to dig for DX at the low end of the band with this rig [g]. You might try 4.096 Mhz microprocessor crystals for the IF, which relocates that low-order spur to 7.168 Mhz.

I'm not sure how much bandspread you'll get out of the 40-40 before output power falloff becomes objectionable. The TX bandpass filter is pretty narrow, and swamping down this network by reducing the Q4 bias resistors and

increasing the coupling capacitors will increase the useful range. I'd doublecheck spectral purity, though, if this were pushed too far, since the reduced bandpass Q will increase the transmitter spur energy .

73- Dave Benson, NN1G

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: Bruce Robertson <brucerob@epas.utoronto.ca>
Subject: [785] Re: 40-40 Mods
Message-ID: <Pine.SGI.3.91.951202125937.1149C-100000@blues.epas.utoronto.ca>

I too had some suspicions about the mod. list published here and on the rec.radio.am.hombrew group. The original worry about sensitivity was while the author used the 40-40 on a whip antenna. I use mine with a whip on our balcony frequently and the receiver seems just about right. In, for instance, the QRP sprints, I hear quite well and have to ride the rf control on many signals. Getting my signal heard with such an inefficient antenna, now that's a different problem!

Having toyed around with a few of these radios, I have to say that they represent a high level of optimization for size and cost consistent with good NE602 performance. I can't wait to build the Green Mountain 15m rig also designed by Dave!

72, VE3UWL

Bruce G. Robertson Dept. of Classics, U. of T.

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: james@research.nj.nec.com (James Bennett)
Subject: [703] Re: Battery ratings
Message-ID: <9512010015.AA08336@shakti.nj.nec.com>

Since I have recently been reading about the care and feeding of gel cell batteries, I will share what I have learned so far. First I highly recommend the book "Handbook of Batteries" by David Linden, published by McGraw Hill. It has almost everything you would ever want to know about all types of batteries. As for gell cells, it seems that most of them are rated at a 20 hour rate for the current capacity. However, according to the discharge curves for gell cells, they do not do too badly at higher discharge rates. For example a 5AH cell could deliver 5A/20H or 250mA for 20

hours. At 5A/1H = 5AH it would last approximately 40 minutes. In the case of pulsed current draw (such as cw transmitting) the cell has rest periods in which it can regain chemical equilibrium. Thus in pulsed service it will approach its full AH capacity. So a rig drawing 3A intermittently should run for several hours on a 7.5AH cell.

So much for the lecture, now to practical experience. I have approximately a dozen gell cells in 6 and 12V and capacity of 1.2- 7AH which I use for powering various radio and lighting equipment. For the new 12V 7Ah cells, I have powered my Yaesu FT301S for 4 or 5 hours of receiving(~600mA) and transmitting (2A) and the batteries were still at ~12V. I have also used them to power a 55W spotlight for >1 hour. One trick with the 12V cells is to float them across the 13.8V output of a DC supply to your rig. The cell will remain charged and can supply extra current if your power supply is of insufficient capacity. If you do this I recommend fuses in the battery and power supply leads(just in case).

James Bennett
Amateur Radio: KA5DVS/2 (yes I am in NJ)
email james@research.nj.nec.com
NEC Research Institute
Princeton, NJ

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: bcutter@teal.csn.net (Bob Cutter)
Subject: [794] Re: Cascade & 6M xverter
Message-ID: <199512022325.QAA28382@lynx.csn.net>

I have mated my TenTec 6M transverter to the Cascade and it works fine. The only problem is that mine has the stock tuning of 14.150-14.350 and the 6M calling frequency is 50125(14.125). I have not changed the VFO on the Cascade as it will put the band edge on both 20 and 75 where I can't use it. When 6M get going in a few years there will be plenty of activity and starting at 50150 will not be a problem.

The TenTec will take up to 5 watts of drive and puts out an honest 7-10 watts. I have only caught one opening on 6 so far but was able to work several stations in the Pacific NW easily. It is a "magic band".

72, Bob KI0G

>
END

Bob Cutter,Glenwood Springs, CO

KI0G

bcutter@teal.csn.net

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: prvalko <prvalko@Oakland.edu>
Subject: [798] Re: Cascade & 6M xverter
Message-ID: <Pine.OSF.3.91.951202215415.10854B-100000@vela.acs.oakland.edu>

On Sat, 2 Dec 1995, Mark Monninger wrote:

> It occurred to me the other day that it might be interesting to pair the
> Cascade with the Ten-Tec 6M transverter. If I remember correctly, anyway,
> the Ten-Tec uses a 20M IF and takes a few hundred mW for input and puts 3 or
> 4 W.

The Ten Tec 6M transverters is one of the best \$100 I ever spent on Ham
Radio stuff. It's right up there with the NorCal 40A.

It takes 5w in on 20M and mine runs 8W out on 6M. Just a great little
kit and I've had a ball over the summer during E openings with it.

vy 73 =paul= wb8zjl

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: WD6BOR@aol.com
Subject: [774] Re: Cascade, heroics, and Miles (in a car) Per Whatt?
Message-ID: <951202003920_122703051@emout04.mail.aol.com>

In a message dated 95-12-01 21:07:28 EST, burdick@interval.com (Wayne
Burdick) writes:

> Doug Hendricks and Dave Meacham, in particular,
> both deserve a cape and a big "Q" on their chest as legitimate heroes of the
> QRP world.

I second the motion. Now if we just had officers, bylaws and a paid staff we

could all vote on the motion. That and a couple o' bucks would buy Doug, Dave and the boys each a cup of coffee.

I'm looking forward to seeing you all (Southern for "all of you") this Sunday at the Norcal meeting. And Doug and Dave, I would be happy to personally treat both of you to a cup of coffee with an order of fries thrown in for good measure.

72s, Darrel, WD6BOR
QRP-L # 65,987,372 (computer error?)

From qrp-l@lehigh.edu Sun Dec 3 17:28:00 1995
From: "Jim Kortge, NU8N" <jokortge@sun.lisp.com>
Subject: [793] Re: fear not the CASCADE
Message-ID: <9512012237.AA02833@sun>

At 10:10 AM 12/1/95 EST, you wrote:

>Here is my humble suggestion for building the CASCADE (it worked for me).

>

>Assemble all the errata that was submitted to the list, and print it out to paper.

>Cross check to eliminate duplicates, and then cut out each individual section.

>Tape each cutout to the proper page in the assembly manual, and circle, underline,

>cross-out as needed to highlight where the error or desired mod should be referenced.

>

>Not only does this keep you on track while you are building, but it insures you can

>re-trace your steps when you need to repair or make further mods.

>

>In other words:

> Ask not for a new manual; create your own...

>73 -John

>KF2XC

>

>

Another suggestion to add to John's good approach, is to make corrections on the various schematics as you go also. I essentially built my rig from the schematics, after noting the changes.

My \$.02 worth, and also my Cascades', which is running great! :-)

72...Jim

Jim Kortge, NU8N		Bicycle Mobile Hams
jokortge@lisp.com	_ _ o	of America
Fenton, MI	_ ` \ <,	Mizuho 17m/40m QRP SSB
.. .. .	(*)/(*)

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
 From: william.redfearn.cmwdrr01@nt.com
 Subject: [701] re: FT 243 Crystal Sockets
 Message-ID: <"23430 Thu Nov 30 06:06:02 1995"@nt.com>

I have also made my own FT-243 sockets from large female molex pins
 (from a Radio Shack connector) and small pieces of plexiglas.
 73 - Dave.

=====

Dave Redfearn, Sr RF Systems Engineer NORTEL RTP, NC.
 ph.(919) 992-3925 email: william.redfearn.cmwdrr01@nt.com
 qrl? de N4ELM/qrp

All opinions are my own, no one else wants them.

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
 From: Mike Robinson <miker@cc.com>
 Subject: [722] re: FT 243 Crystal Sockets
 Message-ID: <9512011543.AA17505@voder.nsc.com>

There is a method of holding 243's mentioned
 the in the Hints and Kinks book from ARRL.

Get a speaker wire connector from radio shack.
 The kind that have spring loaded clips. The
 holes are in just the right position for the
 243 case.

=====

7.3 de Michael aa0ub | QRP:
miker@cc.com Norcal #857 CQC #180 | "UR HB 5W FB HR 72"
=====

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: aa7qy@primenet.com (Roger Hightower)
Subject: [795] Re: Gave up...
Message-ID: <199512022346.QAA06112@usr4.primenet.com>

At 05:30 PM 12/2/95 EST, Adam O'Donnell wrote:
>Oh well... My server kinda changed outgoing addresses.
>
>The list still sends me messages.
>
>It works, but the software won't reconize me name to unsubscribe or give
>me a number... doh!
>
>l8r

Adam, all you need to do is subscribe (using your current address), then
get the number, then unsubscribe, using your current address. The listserver
will still have you from your original subscription...It will just think
a new Adam subscribed then unsubscribed.

73, de Roger

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: David Speegle <dspeegle@dialin.ind.net>
Subject: [710] Re: HW-9 Assembly Manual
Message-ID: <Pine.SUN.3.91.951201045823.29378C-100000@dialin.ind.net>

Allen: The South Bend hamfest is coming up on Jan 7. If I get to go I
will keep my eyes open for a manual for you. There is a good possibility
that a dealer that was at the Wabash hamfest will be there also. He had
original Heathkit manuals. Dave NE9F

=====
| David Speegle Email Alias: David.Speegle@dialin.ind.net
|
|
| 311 S West St.
|
| Argos, IN 46511

| Phone: 219.546.3848 FAX:

=====

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: aa7qy@primenet.com (Roger Hightower)
Subject: [700] Re: Logo - decals, patches, etc.
Message-ID: <199512010111.SAA23253@usr1.primenet.com>

At 09:31 PM 11/30/95 -0330, Robert J. Gobrick wrote:

>Roger,

>

>Is this for the QRP-L logo contest winner on the QRP-L WWW Homepage OR is

>this for the QRP Mascot Chickadee Logo??

>

>73/72 Bob V01DRB/WA6ERB

>

Bob,

This is for the QRP-L logo....don't have any artwork on the Chickadee.

73/72 Roger

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: "Robert J. Gobrick" <rgobrick@public.compuserc.com>
Subject: [702] Re: Logo - decals, patches, etc.
Message-ID: <199512010101.VAA11667@public.compuserc.com>

Roger,

Is this for the QRP-L logo contest winner on the QRP-L WWW Homepage OR is
this for the QRP Mascot Chickadee Logo??

73/72 Bob V01DRB/WA6ERB

At 16:20 11/30/95 EST, you wrote:

>I contacted Jim at Old West Graphics and he is sending me the info on
>cost, etc for qrp-l decals, patches, etc. Even T-shirts, maybe.

>

>Any interest out there? e-mail me direct if you would like something
>along that line, so I can get an idea of quantity...then I can work on
>price. I'll plug responses into a database so I know who would like

>what.

>

```
-----
| Bob Gobrick - VO1DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRPPer Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      rgobrick@public.compusult.nf.ca |
|                bgobrick@terra.nlnet.nf.ca |
| Compuserve:   70466.1405@compuserve.com |
|-----
```

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995

From: "Robert J. Gobrick" <rgobrick@public.compusult.nf.ca>

Subject: [699] Re: MFJ 90xx how are they?

Message-ID: <199512010101.VAA11676@public.compusult.nf.ca>

Brad and QRP-L gang,

Yes you are correct in that the MFJ 90xx is a Rick Littlefield K1BQT design. By the way I consider Rick the QRP Father of the NE-602 QRP Transceiver design. Although there were a number of folks working on the NE-602 it was Rick who wrote numerous articles in the old Ham Radio, CQ and 73 magazine on a miniature transceiver that was (and still is) a marvel of it's time back in the late 80's. I remember when Pete Hoover W6ZH wrote this neat article in CQ showing how he packaged Ricks rig in a tiny 4X4X2 cabinet with keyer, RIT, XIT and the kitchen sink thrown in.

Anyway where was I.. Oh yea, I also think that the commercial incarnation of Rick's design - the MFJ 90xx series of rigs will be one of the all time classic rigs that gets folks into QRP. It is a great rig to help introduce folks to QRP and then the next step is to get them into kit building. You have to remember many folks are scared of building a kit yet they want to try out this QRP thing - why they keep hearing about these fox hunts, QRP afields and QRP-to-the-field events - that has got to interest them. The MFJ 90xx fits the bill to a tee. By the way the design is still a good working one as witnessed by the new NW8020 that Roy W6EMT introduced which is a take off of Rick's design (also I'm sure Dave NN1G and Wayne N6KR have been influenced by Rick's work).

My point is if you know a ham (old timer or newbie) who is interested in QRP and is a little hesitant to build a rig then there is no safer way to get them into it then recommending the MFJ unit. I know in my case the thrill I had in working Egypt on 20 meter cw on my FIRST QRP QSO was a memorable moment (Ok so I was lucky and I just didn't wait for any ole stateside QSO to claim as my FIRST QRP QSO :^).

73/72 Bob V01DRB/WA6ERB

PS And all the standard stuff but I sure wish I had a buck for every product that MFJ has come out with..

At 08:51 11/30/95 EST, you wrote:

>

> Hi all, I was wondering opinions about these rigs.

>I think they are based on a Rick Littlefield design, but not sure.

```
-----
| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRP'er Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      rgobrick@public.compuserve.nf.ca |
|                bgobrick@terra.nlnet.nf.ca |
| Compuserve:   70466.1405@compuserve.com |
-----
```

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995

From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>

Subject: [738] RE: More help for NE 4040/30meter version

Message-ID: <48840.owen@apollo.eeel.nist.gov>

In message Fri, 1 Dec 1995 11:05:42 EST, KE3FL@delphi.com writes:

>

> So here's my next question: I have put together L1 for the 4040 kit
> and on my Beckman LM22A LCR meter it measured 4.0 - 3.7 uH, I figure
> that's just fine. However, L4, 4T #22 on FT37-43 (target of 7 uH) I
> measure only 1.4 uH??? I tried again with 10T and got it up to 5 uH,
> what gives? Is the meter that far off or do I have a wrong core? It DID
> come out of the bag marked #43, I have enough wire to try once more, but
> what should I do? I will wait until I have some good info on this one,
> continuing with putting in the other parts.

> Tnx & 73 de KE3FL/Phil

> :-?

>

Hi Phil,

I could talk to you tomorrow on 2m but I thought that the list might be interested in this also. According to my calculations using the charts on ferrite toroid cores (from Ocean State Electronics Catalog) to get an inductance of 7 uh with a FT-37 Mix 43 core requires 12.9 turns and with the 10 turns you put on it you should get about 4.3 uh pretty close to what

you measured. I believe that the parts list must be wrong if they said 4 turns. However, at what frequency is this coil L4 used? The frequency range for a Mix 43 toroid is .01-1 Mhz. If it is used in the VFO than maybe a Mix 63 (.2-10 mhz) would be better or if used at a higher frequency then a Mix 67 (10-80 Mhz). However you realize that the Mix 43 has the highest permeability (850) with the Mix 63 and 67 both at 40, so more turns would be requited for the same value of inductance. Hope this has helped and maybe when you get the rig up and running we can have a SHORT path qso, all 7 miles of it, Hi. 73 Jim K4CGY

James C. Owen, III

National Institute of Standards & Technology (NIST)

Bldg 225/B360

Gaithersburg, MD 20899

1-301-975-5623

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995

From: GREGOIRE@VALLEY.NET (ERNEST GREGOIRE)

Subject: [721] Re: NE QRP club

Message-ID: <199512011336.IAA03937@dartvax.dartmouth.edu>

>

>Anyone out there from NE -QRP want to give us all a final dunning message

>re. the end of the membership year - renewals etc. in order to be sure to

>get the next exciting issue of 72?

>

>Thanks

>

>Brien

>Toronto

>

>pepperb@gov.on.ca

>

OK Gang, Here it comes,

>The new membership chairman for NE QRP Amateur Radio Club is

William Mc Nally AE1D

7 Blueberry Road

Windham, NH 03087

The above address is for NEW membership applications:

Last Name: First Name:

Call Sign: NE-QRP Number if Renewal

Mailing Address:

Phone Number: License Class: Age:
Former Amateur Call[s]: (Year first licensed)

Indicate whether you're a member in the following organizations:

QRP ARCI __ Michigan QRP ___ G-QRP ___ NorCal QRP ___ Other_____

What QRP awards have you won or achievements have you accomplished?

"Who are you" and what do you like about QRP? (This is important)

Please write a couple of paragraphs about yourself, and we'll pass it along to our Member's News Editor.

Indicate whether you're a member of the ARRL. Yes ___ No ___

Would you like to be an officer/director in the NE-QRP Club? Yes___ No___

Please check the box which interests you most:

Ragchewing ____ DX ____ Contest ____ Traffic ____ Awards ____

Homebrewing ____ VHF/UHF ____ Packet ____ CW ____ SSB ____

RTTY ____ ATV ____ Satellite ____ HF ____

Other _____

The first year membership is \$10.00 and renewals are \$7.00 per year. Outside USA please add \$5.00. The club year begins in January, and renewals are from September to December for the following year. Please make you check or money order payable to: ORP Club of New England.

Send new to above address.

RENEWALS to

Bill Studley AA10C
133 Babosic Lake Rd.
Merimack, NH. 03054

[illegible]

Ernie Gregoire

RR 1 Box 221
Canaan, NH. 03741

New England QRP Club, information
available on request by sending me a
S.A.S.E. or via E-mail.

e-mail : GREGOIRE@VALLEY.NET
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: V\$BCIESLAK@china.qgraph.com
Subject: [753] Re: Numbers
Message-ID: <01HYARRWTMAQ00X20D@hub.qgraph.com>

>>Now then Chuck, we gonna use them in the fox hunt or what?

Now every one send a penny to all the people with numbers lower than them
and collect a peeny from all the people with numbers higher than their's.

How long would it take chuck to buy another RP rig with the earnings ;-)

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: "Robert J. Gobrick" <rgobrick@public.compusult.nf.ca>
Subject: [704] Re: OHR - headphones
Message-ID: <199512010101.VAA11661@public.compusult.nf.ca>

Darrel and QRP Gang,

Just a little follow-up for the "Christmas Stocking Stuffers" - I can also
highly recommend the Radio Shack Nova-42 Stereo/Mono headphones (list \$12.99
US) which are very convenient for the latest QRP kits on the market since
the earphone cord has a built-in Stereo/mono switch AND volume control (I
noticed the latest RS catalog doesn't mention the volume control - anyone
know if that feature has been dropped?) And if you only need a mono headset
then the good ole Radio Shack 20-210 headset (\$9.99 US) which comes with
both 1/4 and 1/8 plug is a very decent communication headset and almost as
good as a Kenwood HS-6 headset and a lot cheaper.

Remember only 25 QRP shopping days left...

73/72 Bob V01DRB/WA6ERB

At 15:49 11/30/95 EST, you wrote:

>Radio Shack has their Nova 44 headphones on sale for \$12.99 right now. They
>have padded earpieces and 1/8" stereo plug. Part number is 33-1120 (I just
>picked up two.)

>

>The stereo to mono 1/8" adapter is part #274-368A for about \$1.99.

>

```
| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRP'er Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      rgobrick@public.compuserve.com                 |
|                  bgobrick@terra.nl.net.nf.ca                 |
| Compuserve:   70466.1405@compuserve.com                     |
```

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995

From: ruswhite@netwest.com (Russell W. White)

Subject: [705] Re: OHR - headphones

Message-ID: <199512010203.TAA02983@saguaro.netwest.com>

I have a OHR Sprint and from both the instructions, and personal experience you should try to find 8 ohm headphones. The Nova phones might be 8 ohm when stereo but they might go to 16 ohm when in Mono. I first tried the RS mono communications phones (16 ohms) and was really dissatisfied with the lack of audio with the radio, I'm talking about low audio with the volume control turned all the way up. I then tried stereo phones with one of those mono adapters which gave me about 4 ohms and a huge increase in volume. I'm not sure what 8 ohm mono phones would sound like but I suspect they would give the best audio.

>Radio Shack has their Nova 44 headphones on sale for \$12.99 right now. They
>have padded earpieces and 1/8" stereo plug. Part number is 33-1120 (I just
>picked up two.)

>

>The stereo to mono 1/8" adapter is part #274-368A for about \$1.99.

>

>They are comfortable and low cost and seem to work fine for the price.

>
>72s
>
>Darrel, WD6BOR
>
>
>

```
|-----|  
| Russ White AB7JX (ex WB1GQG) QRP-ARCI NORCAL NEQRP |  
| Phoenix AZ |  
|-----|
```

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: burdick@interval.com (Wayne Burdick)
Subject: [768] Re: on 100% PCB test & the new Sierra boards
Message-ID: <v02130510ace56a5f2575@[199.170.106.28]>

>Tell us what a bed-of-nails fixture is (if you have time ...)

Ooops, sorry Jack. It's a PC board test fixture that has uses "nails" (contact pins) to make contact with each pad/hole on the board. You use it in conjunction with a computer to verify continuity and circuit isolation. There's usually a \$100 to \$200 tooling charge (or more depending on the complexity of the board). Standard procedure for big-company production boards, but apparently not for most small companies!

If you don't do it, you'll occasionally get PC boards that have hairline, nearly-invisible traces between adjacent circuits.

73,
Wayne

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: scicior@cp.mnet.uswest.com (Steve Ciciora)
Subject: [784] Re: on 100% PCB test & the new Sierra boards
Message-ID: <9512021717.AA15212@sp5-316.nts.uswest.com>

> Hi all,
>
> After doing several NorCal and Wilderness projects I've learned the hard
> way that PCB errors can occur at the manufacturer, no matter how good they
> are.
>
> For that reason the new Sierra boards are being 100% tested on a
> bed-of-nails fixture. I highly recommend this be done on all production
> boards, since it will eliminate what is the cause of about 50% of the
> in-field failures. [Note recent posting on this topic from Marshall,
> AA0XI, re: the Explorer II.]
>
> 73,
> Wayne
> N6KR
>

Not a bad idea. I wish FAR Circuits would do that, or at least visually check their boards before shipping them. From the list that Chuck uploaded, I found some really neet (at least to me) articles that I would otherwise not have known about: a WWVB receiver, and a freq. standard that picks up 15.7 KHz from a color tv set, and phase locks it up to 5 MHz. This was 7 boards, and since I could order another board for no more increase in shipping and visa charge, I bought a 40-40 board (not knowing what it was). Turns out the 40-40 board has about 20 shorts, a few of the WWVB board had shorts and an open, another board had the holes drilled severally offset, and most silk screens were offset.

Now don't get me wrong; I still think I got a great deal. For about \$30 I got 8 boards for 3 projects I've been wanting to do for quite some time, and if it wasn't for FAR Circuits I might not have found about these projects (I've learned a lot from the articles). But new project builders should be aware of this and look closely.

All boards are fixable, and will save me lots of time vs "ugly" style of prototyping, and I'm really glad that FAR circuits offers this service at such a reasonable price.

-Steven "Waiting for the UPS truck from Digikey" Ciciora

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: "N100Q Tom R. @ MR01 01-Dec-1995 1044" <randolph@est.ENET.dec.com>
Subject: [729] re: QRP - Philo. Questions ERP is the way to go!
Message-ID: <9512011624.AA02854@us4rmc.pko.dec.com>

From: US4RMC::"km@pact.org.pe" "MAIL-11 Daemon" 1-DEC-1995 06:34:08.22
To: Multiple recipients of list <qrp-l@lehigh.edu>
CC:
Subj: QRP - Philo. Questions ERP is the way to go!

> QRP - Spirit of minimalism, i.e., doing with simple systems to the
> point of making it hard on your self. Perhaps appeals to the "tight
> fisted," the masochistic, or Don Quijote types.

Well, I originally got interested in QRP as a cheap way to get on HF, and to get my hands dirty in the guts of some radio gear. The only way this actually saves you any money, though, is by some really hard-core scrounging of every bit of electronic scrap you can get your hands on, and then scratch-building gear with it. If you buy all the parts, you'll spend MORE than a typical kit like a Norcal or an Oak Hills, just because volume means discounts. Also - a single band kit for each of the 9 bands, \$100 each...? Well, I guess if we're not interested in some bands this does save some money.

I don't have any philosophical problem with a Yaecomwood at 5W into a yagi at 75 feet, if you already have all that anyway. The bottom line of the above philosophy, i.e. "spirit of minimalism", is that you don't need to drop megabucks on state of the art stuff to get on the air. Your station should still be the best it can be. See W7ZOI's "integrated contest-grade CW station" in the back of "Solid State Design" for an example of an ultimate QRP transceiver (1W output w/ optional 25W power amp, high dynamic range rcvr with 14 poles of xtal filtering, digital freq display, 100% homebrew). It ain't exactly portable, though.

-Tom R. N100Q randolph@est.enet.dec.com

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: cebik@UTKVVX.UTCC.UTK.EDU
Subject: [719] Re: QRP - Philo. Questions ERP is the way to go!
Message-ID: <Pine.PMDF.3.91.951201064237.543720252C-1000000@utkvx.utk.edu>

On Fri, 1 Dec 1995, Kris Merschrod wrote:

> QRP - letter of the law 5w CW; 10w SSB

>

> QRP - Spirit of minimalism, i.e., doing with simple systems to the
> point of making it hard on your self.

Kris,

Your concept of minimalism is a very interesting one, and certainly may have a place in the total picture of QRP. QRP, like amateur radio as a whole, is a grand variety of interests, perhaps more intensely held than is true of average ham operators.

Note that you have begun a set of subcategories of QRP commitments:

1. QRP: 5w CW/10w SSB is the basic QRP commitment.
2. QRPP: 1 watt or less; especially apt for those who wish to see just

what results can be obtained on the least possible power. Perhaps we should think of additional designators for those committed to using less than 100 mW, 10 mW, 1 mW, etc. However, stringing out Ps will likely be self-defeating.

3. QRPM: QRP minimalism, just as you described it. As an article showed in the last issue of 72, there were losses in your connectors, as well as the 9913, so you were a bit less non-minimal than your estimate. Some of the 1-transistor, crystal rig interest may fit here.

4. QRPE: QRP efficiency, perhaps along the lines I described in a previous note.

5. QRPB or QRPK: QRP building or kits: I am not certain how to designate this category, but it certainly is a very widespread focus on QRP-L, ranging from the development of new designs to the assembly and proving of new kits.

6. QRPF: QRP field operations, portable, mobile, etc. This category becomes more intense with good weather, but for some even bad weather is a challenge.

7. QRPX: Fox hunting???

This is just a beginning. I have omitted QRP-L from the designator list, since it is already an intense interest of most who will see this note. There may be more categories that describe folks most intense QRP interests. Indeed, one might use a set of designators, ranked from most intense interest to moderate interest. Some operator might be QRPMKF, to indicate his or her interest in minimalism foremost, kits next, and field operations still at the intense level, even if they occasionally go fox hunting, etc.

The first, best use of any list like this is probably self-evaluation: what are my interests as we enter December, 1995. Written into a log, it might be interesting to do the same next year and compare results.

There is one category that is not on the list, because it is one we all should apply to a few of the gang, even though modesty might prevent them from applying it to themselves. QRPS: QRP Service to others in the field. We can all have our candidates, and we should send each an occasional direct message of thanks and appreciation. Their dedication makes it possible for each of us to learn a little more and do a little better, whatever we might use as our own designators.

-73-

LB, W4RNL

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)

Subject: [741] Re: QRP-L Member Numbers
Message-ID: <199512011917.TAA29867@chuck.dallas.sgi.com>

Oh, I didn't set the program up. Jim Eshelman did that.

While I'm at it. I have been so busy that I am so far behind.....

I'm scheduled for 7 places in 4 weeks, but I got it down to 4 places in 4 weeks so that I don't have to be in two places at once.

I'll be in Houston next week and Tulsa the week after. I'm trying to decide on taking a rig or a new kit to build, as I did get the Explorer II for 40M. The kit will probably win.....

I'll post the fox results sometime later today. I'll get the latest and greatest runs into the list.

dit dit to all

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [743] Re: QRP-L Member Numbers
Message-ID: <199512011914.TAA29865@chuck.dallas.sgi.com>

Paulette,

Please no more snow. My antenna is already up, thank you very much. :-)

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: "James C. Owen, III" <owen@apollo.eeel.nist.gov>
Subject: [740] RE: QRP-L number
Message-ID: <50488.owen@apollo.eeel.nist.gov>

Hi Guys,

Guess who got number 72? Just Lucky I guess. Now I have no excuse for

not getting on Qrp except I haven't been able to get the Drake T4XC to less than 12 watts. I suppose I'll just have to build something. Maybe if the Gov. goes QRT in two weeks I'll go QRP. 72 & 73 Jim K4CGY #72.

In message Fri, 1 Dec 1995 13:37:56 EST, listserv@lehigh.edu writes:

> Output from stdout:
>
> You have been assigned QRP-L member #72.

> dit dit
>

James C. Owen, III
National Institute of Standards & Technology (NIST)
Bldg 225/B360
Gaithersburg, MD 20899
1-301-975-5623

From qrp-l@lehigh.edu Sun Dec 3 17:28:00 1995
From: aa7qy@primenet.com (Roger Hightower)
Subject: [796] Re: Request for Rulemaking?
Message-ID: <199512022348.QAA13348@usr5.primenet.com>

At 06:09 PM 12/2/95 EST, Marshall Emm wrote:

>Several times over the last week or so I've seen for-sale ads from people who
>say "please respond direct as I am not a subscriber."
>
(deleted)

>I hope there's something that can be done, even if it results in messages
>being accepted only from subscribers (how hard is it to subscribe, anyhow!).
>

I agree. Maybe the Olga messages won't reappear, and some of the other non-list stuff that pops will go away.

72/73, de Roger AA7QY

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: prvalko <prvalko@Oakland.edu>
Subject: [735] Re: RUN QRP-L X GETNR WB8ZJL
Message-ID: <Pine.OSF.3.91.951201130639.5044A-100000@saturn.acs.oakland.edu>

On Fri, 1 Dec 1995 listserv@lehigh.edu wrote:

```
> Output from stdout:
> You have been assigned QRP-L member #59.
> Use it only for good, not evil.
> 72 es gl
> dit dit
```

*** C O O L ! ! ! *** After 20 years of QRPing I finally get a five nine!

73! =paul= wb8zjl

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: Bob Patten <z002816b@bcfreenet.seflin.lib.fl.us>
Subject: [723] Re: SUN SPOTS: THE BEST IS YET TO COME!
Message-ID: <Pine.3.89.9512011039.A27844-01000000@bcfreenet.seflin.lib.fl.us>

On Fri, 1 Dec 1995, David Kreinberg wrote:

```
> So break out your "mental log books" and tell the
> gang (especially ham plebes like me) the cool things
> you were able to do during spot peak times!
>
```

A couple of QSO's come to mind from 10M, probably a couple of sunspot cycle peaks back...

I recall working a fellow in South Africa who was using his wooden leg for an antenna. The artificial leg had a steel pin for additional strength. He would remove his leg, set it atop his antenna tuner, and load it up on 10M, CW. I recall having a very solid QSO with him..

Again on 10M CW, I used to keep a sked with a ZS6 named Ossie about once a week. I was chatting with him when my XYL pulled in the driveway, ran in the house to tell me that JFK had just been shot. Perhaps he was the first person outside the US to hear of the assassination??

Yes, 10M is fantastic during a cycle peak. I recall working JA's, ZL's, VK's, etc. while running 5W mobile in my old VW Squareback. Can't wait 'til the band gets out of its present slump! Please, if you hear me during the ARRL 10M contest, give me a call - QSOs will most likely be hard to come by...

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [742] Re: SUN SPOTS: THE BEST IS YET TO COME!
Message-ID: <199512011909.TAA29827@chuck.dallas.sgi.com>

Dave et.al.,

During the three peaks that I've seen you can go a long way with very little power during the peaks.

During the last peak ~1988 or so, running a Uniden 2510 mobile QRP with a mag-mounted center loaded whip on top of a pickup I could work EU es USSR in the morning on the way to work (CW es SSB) and then on the way home from work do SA and Japan with no problems.

Now everyone hold on to your sneakers as this will not happen for another 2 years or so. Now if we get lucky it can happen sooner but the sun takes it's own time about doing these things.....

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: V\$BCIESLAK@china.qgraph.com
Subject: [748] Re: SUN SPOTS: THE BEST IS YET TO COME!
Message-ID: <01HYA0JRHLWY013K5F@hub.qgraph.com>

I took a physics class last year in which we built a radio telescope to observe the sun. We had to do a lot of reading on the Sun to lay the groundwork and found a few interesting facts...one that stood out to me as a ham was the 11 year sunspot cycle is an average....I has been as short as 6 and as long as 18 years. I hope that sunspot drought doesn't happen While I'm around..(but it will right after I build a 10m rig, so I'm holding off for the betterment of hamdom).

You can tell when a new cycle is starting beause sunspots occur in the upper latitude of the sun. as time goes on the form in lower and lower latitudes and become less frequent. It looks like we're on the way up according to observations made last august (see QST) so this was a short one.

Brian AE9K

From qrp-1@lehigh.edu Sun Dec 3 17:28:00 1995
From: Frank G3YCC <frank@yorks.demon.co.uk>
Subject: [775] Re: SUN SPOTS: THE BEST IS YET TO COME!
Message-ID: <4RhBfAAzM5vwEwX1@yorks.demon.co.uk>

In message <199512011909.TAA29827@chuck.dallas.sgi.com>, chuck adams
<adams@chuck.dallas.sgi.com> writes

>Dave et.al.,

>

>During the three peaks that I've seen you can go a long
>way with very little power during the peaks.

>

>

>Now everyone hold on to your sneakers as this will not
>happen for another 2 years or so. Now if we get lucky
>it can happen sooner but the sun takes it's own time
>about doing these things.....

>dit dit

>--

>Chuck Adams (K5FO CP-60) adams@sgi.com

>

Hello fellow QRPers

Yes, I can confirm what Chuck says. When the sun spots were at their peak you could work vast distances with QRP and QRPP. I used to have a Ten Tec Argonaut Mark 1. During the first month I had it, I worked seventy five Japanese stations on QRP SSB! My current DXCC score on QRP is 120 plus countries, mostly worked in those hey days.

Later, I moded the Argo so I could reduce the volts to the PA (a misnomer if there ever was one!), and monitor the PA current. The lowest setting I could use and still radiate was 1.1 volts and 90 ma (just above the standing current), representing 100 mW INPUT. Probably about 40 mW out to a two ele home brew monobander at 33 feet. Worked W's, and VE's on that (CW). There was no indication of RF out on my SWR meter. Perhaps my most memorable QSOs were on another band and another rig. This time it was on twenty CW using a homebrew transceiver. I called CQ and worked VK3, using one watt to a dipole.

Ten metres will be booming again too, when the sun spots appear. I remember working the world and I mean every where on CW and SSB to a dipole, VKs etc etc.

One by-product of the upsurge in DXing on HF QRP, will be there will be more room on the LF bands, I suppose. But there again, in US you have 3.5 - 4.0 and 7.0 - 7.3, whereas in UK and most if not all Eu countries, we have only 3.5 - 3.8 and 7.0 - 7.1. This however is under review, and hopefully we will get up to 7.3 back, as we used to have it years ago. Mark my words, the HF bands will be really jumping and for very long periods in the day too.

I will be surprised if I don't work many US stations with QRP again when

sun spot activity is at a maximum!
Maybe now is the time to improve our aeralals (note: not antennas!) in
readiness!
Of course, we can work across the pond now on QRP, but it will get
easier!
Have fun, all.

--

Frank G3YCC (G QRP 042)

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [765] Re: thanks
Message-ID: <199512020158.BAA00832@chuck.dallas.sgi.com>

For those of you not in the know:

de Bob/AK5B
QRP-L #123
Bob Walworth
AK5B
Spring TX

if I remember correctly from my undergraduate days
I met a kid from Spring TX. I asked him where was
Spring TX? He told me it was 5 miles from Earth.

So Bob, is there an Earth TX? Inquiring minds wanna
know.

dit dit

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: prvalko <prvalko@Oakland.edu>
Subject: [754] Re: The Gods have smiled upon me!
Message-ID: <Pine.OSF.3.91.951201171116.19485A-100000@saturn.acs.oakland.edu>

On Fri, 1 Dec 1995, Timothy J. Pettibone wrote:

> I got number 73 and wasn't even trying!
> Tim, AB50U

Yeah... and he works EVERY fox too.

73 =paul= wb8zjl

qrp-l #59 <===== Ya Gotta Love It!

From qrp-l@lehigh.edu Sun Dec 3 17:28:00 1995
From: cebik@UTKVVX.UTCC.UTK.EDU
Subject: [777] Re: The Gods have smiled upon me!
Message-ID: <Pine.PMDF.3.91.951202062645.543714119F-100000@utkvx.utk.edu>

On Fri, 1 Dec 1995, prvalko wrote:

>
> On Fri, 1 Dec 1995, Timothy J. Pettibone wrote:
> > I got number 73 and wasn't even trying!
> > Tim, AB50U
>
> Yeah... and he works EVERY fox too.
>
> 73 =paul= wb8zjl
>
> qrp-l #59 <===== Ya Gotta Love It!
>

But who will get #599? A CW op I hope.

-73-

LB, W4RNL

From qrp-l@lehigh.edu Sat Dec 2 03:07:00 1995
From: "Robert J. Gobrick" <rgobrick@public.compusult.nf.ca>
Subject: [706] Re: Tuesday FOX Results
Message-ID: <199512010101.VAA11670@public.compusult.nf.ca>

Joe and QRP-L Gang,

I noticed Joe was getting desperate for a fox "snag" and he claimed that he can never hear the fox on the East Coast. Then I hear the guys in the West never hear the fox because they claim the foxi only works the East Coast - something strange is going on here.

But I see all this came to pass last night since I saw in Pete WA3NNA's log

that Joe was his second QSO - Joe you must have been waiting in the bushes..
Good show since I heard nothing but QRN up here in Newfoundland.

73/72 Bob V01DRB/WA6ERB

PS: Joe are you sure you didn't give Pete a landline since he was only 30
miles away and ask him "Pete that was a 549 you gave me QSL?"....

12:57 11/29/95 EST, you wrote:

>I have tried religiously (well, at least respectfully) for the fox since my
>turn in the barrel quite a while ago..... We'll see how Pete, NNA sounds
tonite. He's about 30 miles away, usually a poor bet on 40 after dark.

>

>72/73,

>

>Joe E., N2CX

```
-----
| Bob Gobrick - V01DRB/WA6ERB/VE2DRB - Newfoundland, Canada |
| QRP Per Galore - ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP |
| Internet:      rgobrick@public.compuserve.nf.ca |
|                bgobrick@terra.nl.net.nf.ca |
| Compuserve:   70466.1405@compuserve.com |
|-----
```

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: JEVERHART@cayman.vf.mmc.com
Subject: [715] Re: Tuesday FOX Results
Message-ID: <951201082636.22672e7c@carib.vf.mmc.com>

Bob, you wrote, in part:

>I noticed Joe was getting desperate for a fox "snag" and he claimed that he
>can never hear the fox on the East Coast. Then I hear the guys in the West
>never hear the fox because they claim the foxi only works the East Coast -
>something strange is going on here.

>PS: Joe are you sure you didn't give Pete a landline since he was only 30
>miles away and ask him "Pete that was a 549 you gave me QSL?"....

Yeah, I am was getting desperate. Fox withdrawal can do strange things. But
then so can a Texas drawl... (sorry, Chuck, bad pun :-))

Of course the westerly folks think that anything east of the rockies is "East
Coast." I personally think the ionosphere goes to the dogs just east of Ohio
and North of Maryland. Perhaps it's the residual effect on the ionosphere from

years of the megawatt 40 meter Radio Moscow inundation. I'm sure glad that that's now over, but need the charged gases up there to relax into their normal state and heal themselves.

And, no, I didn't resort to a landline to Pete. Instead I took the QRP (\$\$-wise) route and snivelled on the Internet, hoping he'd either

a. Take pity on me and give me a contact out of sympathy

or

b. Make sure we contacted early to shut up my griping!

72/73,

Joe E., N2CX

From qrp-1@lehigh.edu Sat Dec 2 03:07:00 1995
From: Jim Eshleman <lujce@hooch.CC.Lehigh.EDU>
Subject: [712] Re: UUENCODED FILES
Message-ID: <95Dec1.095859est.14493-2+43@hooch.CC.Lehigh.EDU>

> Can we exchange UUENCODED files here on the QRP-L list? If not, what
> is the reason? (As much for my further education in this nifty E-mail
> stuff as anything else> ;-)

Bob,

As Rich pointed out, it does create a hardship for subscribers that have to pay for a connection. Also, many of us have quotas (which many of us exceed at times, causing mail to bounce, and causing the list owner to remove us from the list, and causing us to wonder why we're not getting any QRP-L mail :-)) and the reception of large UUENCODED mail files pushes us over the edge.

There are several ways to go here at the moment:

1. You can announce the availability of the file to the list, take requests (privately), and e-mail the file to those that want it.
2. You can ftp the file to ftp.lehigh.edu and put it in the directory /pub/listserv/qrp-1/incoming. YOU WILL NOT BE ABLE TO SEE THE FILE (using "dir") BUT IT IS THERE. You can then advertise the exact file name (ftp is case sensitive) to the list, and people will be able to get it via ftp.

YOU WILL NOT BE ABLE TO SEE THE FILE (using "dir") BUT IT IS THERE. You will be able to get it if you use the correct file name. I will probably remove files from this directory after they are several months old.

3. If you think many people will want the file, either ftp it to the incoming directory or e-mail it to me and I'll add it to the archives. If you ftp it to the incoming directory, you'll have to let me know you want it placed in the archives. Note that when you GET a binary file via the list server, it is UUENCODED for you.

If anyone needs more info, check out the "welcome" message that you received when you subscribed. GET QRP-L WELCOME.TXT if you need another copy. If all else fails, e-mail me privately.

73

Jim N3VXI

From qrp-l@lehigh.edu Sun Dec 3 17:28:00 1995
From: prvalko <prvalko@Oakland.edu>
Subject: [797] Re: What's this number stuff?
Message-ID: <Pine.OSF.3.91.951202213519.10854A-100000@vela.acs.oakland.edu>

On Sat, 2 Dec 1995, J. RAINS wrote:

> What are these numbers for?

> Justin AA9KM

DISCLAIMER FOR THE HUMOR-IMPAIRED

The following post is to be written tongue-in-cheek. Now, on with the show.

I dunno about the rest of you folks but I just LOVE new subscribers to the list!

"What's a Fox Hunt?"

"What's a Cascade?"

"What are four days in May?"

"Are there any QRP kits that are any good?"

"What is Norcal?"

"How's the wx at Dayton?"

"I was offered a Ten Tec 515 for \$100, is that a ripoff?"

Now, on the serious side, those numbers give us all an excuse to consume bandwidth on the net. Some wag at lehigh.edu thought it would be fun to

see how we all scampered like lemmings to obtain a "low" or otherwise desirable number (I got a good one... hehheheh #59). :-)

They are probably going to be used in some future contest. You'll probably see them on name badges at Dayton, on QSL cards, sig files, etc.

Even MORE serious... is it possible we could write up a FAQ that would get sent to new subscribers automatically. I think it would be VERY helpful and would have be appreciated (by ME) when I first got on here.

vy 73! =paul= wb8zjl